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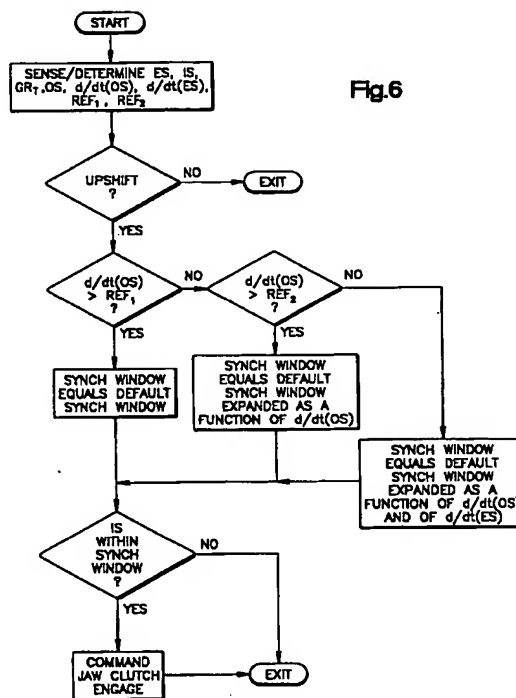
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(54) Adaptive upshift jaw clutch engagement control

(57) A control system for controlling jaw clutch (88) engagement for completing upshifts. The synchronous window  $((OS \cdot GR) \pm \text{offset})$ , determined by output shaft speed (OS) and gear ratio (GR), commanding jaw clutch engagement is increased upon sensing relative great vehicle deceleration ( $dOS/dt < REF_1$ ) or relatively great vehicle acceleration ( $dOS/dt > REF_1$ ) and relative small engine deceleration ( $dES/dt < REF_2$ ).



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